Home

Welcome

Welcome NSWG/MSSC reviewers! Here is a list of the schedule of the review and associated sections.

- Red Team – JSC, GSFC, SSC, SA+IV&V
- Blue Team – MSFC, KSC, ARC, SA+IV&V
- Green Team – JPL, GRC, LaRC, DRFC, SA+IV&V

Click on BOOK A tab above to see full schedule with list of items for each review team.

This site is under development. You can follow the navigation above to explore the site. If you have any questions, please contact Jon Verville at 301-286-8741.

We are glad you have come to the NASA Software Engineering Handbook site. The purpose of this site is to provide key insights to you, a Software Engineering professional. We plan on two phases of release: the first up to 30% material complete in February 2011, and 80% material complete in October 2011.

To view a presentation that was given on the handbook development to the Software Engineering Working Group in August 2010, [click here|^7150handbook-swgf2f-_jonv_REV-C.ppt].

How is this different than any other NASA handbook?

The Software Engineering handbook will have two components. A PDF/printable version for those who wish to use the material in a more traditional way. We are also developing this website as an interactive and dynamic version of the same material. We plan on utilizing web technologies, such as tagging (folksonomies), social commenting, and web editability and versioning to enhance the experience of what a handbook for print provides.

Already, we are accepting comments at the very bottom of this page. You may leave an anonymous comment, but please use responsibly and according to the Code of Conduct.

Special Topic Material

There are a total of 37 special topics which will be chapters within the handbook. **You can click on the third tab (features and topics) above to view what topics exist so far in the handbook.** A partial list is as follows:

7.1 - 7150.2A Definitions & References, 7.2 - Classification Tool and Safety Critical Assessment Tool, 7.3 - Lifecycle Management, 7.4 - Entrance / Exit Criteria for 7150.2A, 7.5 - Documentation Products Maturity (List of material maturity by phase of mission), 7.6-8 - 7150.2A's Traceability to Other NPRs, 7.9 - Software Acquisition, 7.10 - P(Center) Guidance, 7.11 - Use of COTS, GOTS, MOTS, 7.12 - Flow down of NPR requirements on contracts and to other centers in multi center projects, 7.13 - Present requirements by class and include safety critical and assurance requirements, 7.14 - Overview and history of the SPI effort, 7.15 - Peer review and inspections including checklists, 7.16 - Transitioning to a higher class, 7.17 - Explanation of enforcement of NPR requirements, 7.18 - Compliance matrices.

Material by SWE Requirement Number

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Welcome from your handbook team! Click for more info...
We are (left to right): Dan Gauntner, Jon Verville, Lee Jackson, Tommy Tayman, Kathy Malnick, and Kevin Carmichael (Lead)
Not pictured: Dave York
Picture taken in front of the new A-3 Test Stand at SSC

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The NASA Software Engineering standards are laid out in the NPR 7150.2A document (click here to view it on the web). Within the document, there are requirements numbering up to 130. **You can click the second tab (requirements guidance) above to view what guidance exists so far in the handbook.** We will be producing material for each of these requirements in the following areas: Guidance, Rationale, Tools Available, Links, Guidance for Small Projects, and Lessons Learned.